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IKEDA AKIO;


1 page

**Assignee:** SUMITOMO METAL IND LTD  
[News](#), [Profiles](#), [Stocks](#) and [More](#) about this company**Published / Filed:** 1988-09-27 / 1987-03-20**Application Number:** JP1987000067023**IPC Code:** Advanced: [C22C 38/00](#); [C22C 38/06](#); [C22C 38/38](#);  
Core: [more...](#)  
IPC-7: [C22C 38/00](#); [C22C 38/06](#); [C22C 38/38](#);**Priority Number:** 1987-03-20 JP1987000067023**Abstract:** PURPOSE: To develop a low-alloy steel excellent in strength and corrosion resistance, by minimizing the precipitation of AlN by reducing respective contents of N and Al in a low-alloy steel for oil well pipe to traces.

CONSTITUTION: A steel tube for use in oil fields and gas fields, such as oil well pipe, oil transport pipe, etc., is manufactured by using a low-alloy steel stock which has a composition containing, by weight, 0.15W0.45% C, 0.10W1.0% Si, 0.3W1.8% Mn, &lt;0.010% sol. Al, &lt;0.0020% N, and &lt;0.0050% AlN or further containing one or more kinds among 0.05W2.00% Cr, 0.02W0.80% Mo, 0.005W0.20% Nb, 0.005W0.20% V, and 0.0001W0.0030% B. By the above composition, the quantity of the fine precipitates of AlN is minimized, and the low-alloy steel as an oil well pipe stock excellent in resistance to sulfide stress corrosion cracking in a high-strength region can be manufactured.

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US5117874	1992-06-02	Ochiai; Ikuro	The Furukawa Electric Co., Ltd.	Flexible fluid transport pipe having hydrogen-induced cracking resistant high-strength steel

**Other Abstract Info:** [DERABS C88-312366](#) [DERC88-312366](#)



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